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# Ant. C. Zvolanek and Son

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- - -

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U. S. Department of Agriculture

1939

PRICE LIST

OF

WINTER-FLOWERING  
SWEET PEA SEED

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**TO OUR COMMERCIAL GROWERS:** It is now over 50 years since I have developed the first Winter-Flowering Sweet Pea. Now they are cultivated in any part of the world in greenhouses in winter and more out of doors. In semitropical places, like Gulf of Mexico, California, they are grown in large quantities by commercial growers during the year, by light cloth protection, if necessary. In northern states and Canada, where the temperature does not go much over 90° they will bloom all the summer until the frost. All commercial growers agree that our Sweet Peas are much better, larger and longer stems, than the late-flowering, for summer culture, as they can be sown any time and will start to bloom in 90 to 120 days after sowing, and are much more healthy. All our older varieties are carefully reselected each year, and they improve in size, length of stem and production.

—ANT. C. ZVOLANER

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# Introducing NEW 1939 NOVELTIES

**ZVOL. ROTARIAN:** Orange Cerise color; one of the largest, well formed flower with extra long stems.

**ZVOL. LOVELY:** Salmon, long stems and extremely early, like Miss Canada.

**ZVOL. LAVENDER DREAM:** The loveliest dark lavender, large and long stems. This is the No. 201 that we distributed last year to many growers for a trial and most of them recommended it as the best commercial lavender.

**ZVOL. LA FRANCE:** Luscious pink, most every flower being double ruffled.

1 pkt. \$1.00; 1 oz. \$3.00; 4 ozs. \$10.00; 1 lb. \$30.00



## STANDARD VARIETIES

### Pink and Rose

**ZVOL. MERRY WIDOW:** Brilliant dark rose, double.

**VIVIAN ZVOLANEK:** Clearest dark rose, extremely long stems.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

**ANT. C. ZVOLANEK:** Fiery rose pink, extra long stems.

**ZVOL. ROSE:** An old commercial variety.

**ANNIE LAURIE:** Dark Rose.

**ZVOL. PERFECTION:** Fiery dark rose.

**ZVOL. MRS. H. R. HOLSCHER:** Clear pink.

**ZVOL. MISS L. GUDE:** Shell pink.

**ZVOL. JOSIE:** Well-known rose, long stems.

1 pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50

### Orange and Salmon

**ZVOL. INSPIRATION:** Salmon cerise, large extreme long stems.

**ZVOL. ORANGE PRESIDENT:** Clearest orange, long stems.

**ZVOL. ELIZABETH:** Coral.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

**ZVOL. ORANGE QUEEN:** Fiery orange with scarlet.

**ZVOL. SUPREME ORANGE:** Orange flame.

**ZVOL. YVONNE WILSA:** Dark rose, with salmon ground.

**ZVOL. SALMON:** Salmon cerise, long stem.

**ZVOL. PRESIDENT:** Dark salmon, exquisite color.

**ZVOL. WISCONSIN:** Light salmon.

**ZVOL. MISS AMY DU PONT:** Light salmon pink.

**ZVOL. SANTA BARBARA:** Dark orange red.

1 pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50

### Lavender

**ZVOL. LAVENDER QUEEN:** Last year's introduction light lavender, long stems.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

**ZVOL. LAVENDER SUPREME:** Large, long stems.

**ZVOL. MICHIGAN:** Best clear lavender.

**ZVOL. BOSTON:** Light lavender.

**ZVOL. PHILADELPHIA:** Clear lavender.

1 pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50



LIMIT TYPE OF WINTER SWEET PEA

## LIMITS

Years of consistent hybridizing, we have developed a string of many colors of the largest Winter Sweet Peas in existence, which we named **THE LIMIT**. All are double the size of any summer flowering, with extra long stems and bloom 100 to 120 days after sowing. But, for greenhouse culture, they require 10 degrees more heat. For summer out of doors, they have no competition as they stand 100 degrees heat for long time. We are getting many compliments from all hot countries like South Africa, Argentina and any America desert where it was not possible to raise any Sweet Peas before. In the Eastern states where sown in May or June they will bloom during the hot months 100 days after sowing.

We have them now in all colors: **WHITE, PINK, CREAM, RED, FLAME, ORANGE, DARK ROSE** and **LAVENDER**.

Pkt. \$1.00; 1 oz. \$3.00; 4 ozs. \$10.00; 1 lb. \$30.00

### ALL COLORS MIXTURE:

1 pkt. 90c; 1 oz. \$2.00; 4 ozs. \$6.00; 1 lb. \$20.00



# New Extreme Early Sweet Peas

Which begin to bloom 3 to 4 weeks earlier than any Winter Sweet Peas. We recommend these for the darkest months in Winter as they resist 50 percent dropping the buds than any other, most of them coming with two stems behind each joint, producing more flowers than any other Sweet Pea.

**ZVOL. LOVELY:** Salmon, this year's novelty. (See Novelties)

Pkt. \$1.00; 1 oz. \$3.00

**ZVOL. LAVENDER TWIN:**

**ZVOL. PINK TWIN:**

**ZVOL. ROSE TWIN:**

**ZVOL. MISS CANADA TWIN:**

**ZVOL. WHITE TWIN:**

**ZVOL. CHERRY RED TWIN:**

**ZVOL. MIXED TWIN:**

1 pkt. 30c; 1 oz 50c; 4 ozs. \$1.75; 1 lb. \$5.00



## STANDARD VARIETIES

### Blue and Maroon

**ZVOL. FASCINATION:** Clear blue.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

**ZVOL. BLUE WONDER:** Mid-blue.

**ZVOL. BOY BLUE:** Dark blue.

**ZVOL. ELK PURPLE:** Best of all purples.

**ZVOL. LILAC:** Dark lilac blue.

**ZVOL. ALABAMA:** Darkest mahogany maroon.

1 pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50

### Art Colors

**ZVOL. VEILED LADY:** Carmine, white variegated. Large extra long stems.

**ZVOL. GOLDEN ORCHID:** Rich cream.

**ZVOL. IMPROVED CHARM:** Large dark cream, with pink. Long stems.

Pkt. 30c; 1 oz. 50c; 4 ozs. \$1.75; 1 lb. \$5.00

### Whites

**ZVOL. WHITE JOSIE:** White seeded, extremely long stems.

Pkt. 40c; 1 oz. 75c; 4 ozs. \$2.00; 1 lb. \$6.00

**ZVOL. WHITE GEISHA:** Purest white, long stem. Black seeded.

**ZVOL. WHITE ROSE:** Well-known pure white, white seeded.

1 pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50

### Red and Scarlet

**ZVOL. RED CHIEF:** Bright cherry red of the largest size, extremely long stems, introduced only last year but already grown by more than 1000 commercial growers all over the world.

Price: Pkt. 75c; 1 oz. \$2.00; 4 ozs. \$6.00; 1 lb. \$20.00

**ZVOL. KANSAS CITY:** Well-known cherry red.

**ZVOL. CARDINAL:** Fiery vermillion.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.50

### Zvol. Grand Mixture

Consists of 150 or more varieties:.. **PINK ORANGE, LAVENDER, RED** predominating.

Pkt. 20c; 1 oz. 30c; 4 ozs. \$1.00; 1 lb. \$3.00; 5 lbs. \$10.00



# Short Culture on Sweet Peas

## HOW TO START THE SEED:

Every year I personally visit many old Sweet Pea growers who all agree that to get the best results the seed should be soaked in water for 6 to 10 hours, and such seeds that have not swelled up must be chipped or filed and dropped back in water until swelled up.

Some varieties like **Xmas Triumph** and several lavender varieties have very hard shell and must be soaked longer in water.

You will find also many seeds which will not respond so quickly. Such seed has either been just hand picked or has ripened during a very hot spell, and all these must be helped by chipping the skin.

1. Any soil is good for Sweet Peas except heavy clay or too much sand.

2. Work the soil at least 18 inches deep, 2 feet is better, with plenty of rotten stable manure. Cow manure is best; use some lime and crushed bone.

3. Tramp the soil down firm; never plant in loose soil.

4. Take the hose and water down to the base. Let stand a few days until moderately moist.

### NEVER PUT SEED IN TOO WET SOIL.

5. Rake off the surface nice and smooth, make rows and drop seed not over three inches deep, and two inches apart. Rake off again. **DO NOT WATER UNTIL THE SEED IS UP AT LEAST HALF AN INCH OUT OF THE SOIL.** (Nine tenths of the failures are caused by watering too soon). When seed is all up give a good soaking about once a week. It is better to keep moisture below than on top. Do not plant Sweet Pea seed when the weather is too hot, shade the glass first.

6. When all the seed is up, thin to at least 6 inches apart, if outdoors, cover the rows with old strips of wire netting to protect the young plants from birds. All birds like the tender young pea shoots when just out of the ground.

7. Look from the start for Green Aphis. They are the greatest enemy. When you discover any, take the spray gun at once, load it with one part of 40 percent nicotine and 400 parts of water, if the Sweet Peas are outdoors; in the greenhouse 1 to 600 will do if you spray them in time, or use Nico Dust 6 percent. Shoot any black birds that are around your Sweet Peas. They do not pick on the Aphis as many people think, but they feed most exclusively on the lady bugs, who are the greatest exterminator of Aphis. Protect all frogs, they feed only on insects. Build them little water ponds where they will propagate quickly and they keep your garden free of insects.

8. Give the young plants good substantial support so that they can climb from the start and have a chance to produce nice straight flowering stems. Crooked stem flowers are worthless.

9. When the plants begin to bloom give them liquid manure water often; it will produce 100 percent better flowers. Cow manure or a weak sheep manure solution is the best.

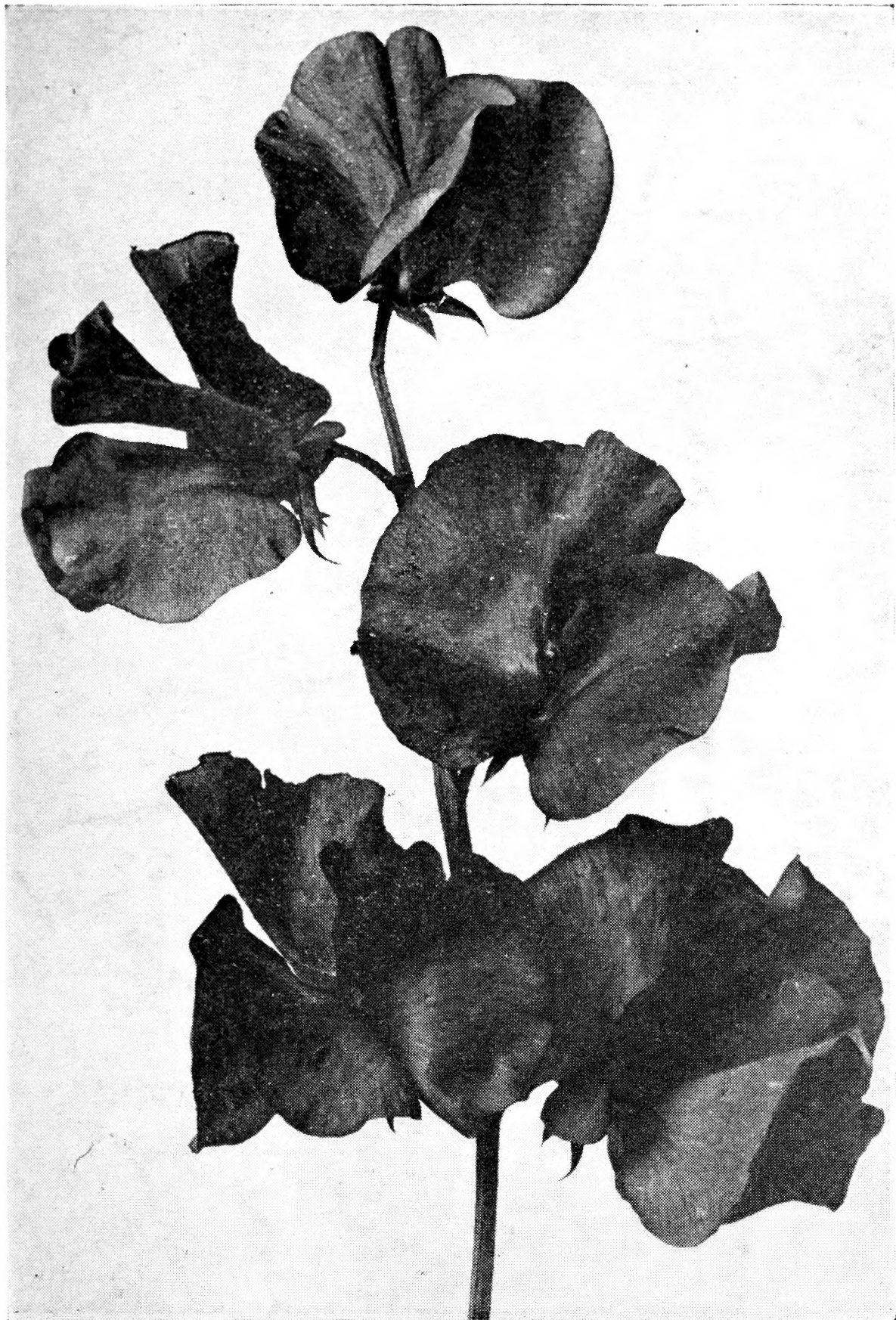
10. Pick daily, even the poorest flowers; it will lengthen the flowering season. Always keep the surface earth loose to about two inches. Never allow any crust to form on top.

## Dropping the Buds

In the northern and eastern states, dropping off buds during November and December is common, but a great deal of this can be prevented. We all know that Sweet Peas like plenty of moisture to get long stems, but during the cloudy weather in November and December it is better to sacrifice the long stems for good flowers. As soon as the moist and cloudy weather the latter part of October sets in, keep the greenhouses as dry as possible, even when the soil is dry three or four inches on the surface. Keep the ventilator open even during the night as much as possible and during frosty nights turn the heating pipes on so there is plenty of dry air circulating.

Should you find a few spots which need some water, water only between the rows in ditches and away from the plants, so they get the moisture from underneath. This will save you at least 50 percent of the flowers.





ZVOLANEK RED CHIEF



## Special Offer

Any order accompanied with remittance will be sent Parcel Post or Express free of charge.

Canadian and any Foreign orders must be Draft on any Bank of United States, or Postal Order, as Personal Checks are subject to heavy discounts.

Special delivery letters are not of any value, as we get our mail three times each day in our box 30 minutes after arrival. If you are late, send your letter by AIR MAIL which costs less and comes two days earlier from eastern states.

Kindly keep this List for further reference as we do not advertise extensively. Ninety percent of all sales come from this list.

